



EXPLANATION
Not all symbols on this master explanation are necessarily on this map.

CONTROL POINTS—Numbers correspond to those of the index to localities and sources in the text

Quaternary
Wells
Composite section constructed from wells, outcrops, or both, less than 5 miles apart
Generalized section constructed from scattered data in the surrounding area

FAULTS—Dashed where control is poor; queried where doubtful; dotted where projected into areas where mapped unit has not been penetrated or identified and may or may not be present

Post-Mississippian faults—Only those which are needed to explain marked offsets in isopachs are shown

Thrust fault—Sawtooth on upper plate
Lateral fault—Arrows show relative movement
Normal fault—U, upthrown side; D, downthrown side
Mississippian faults—Faults which moved during deposition of mapped unit

Thrust fault—Sawtooth on upper plate
Lateral fault—Arrows show relative movement
Normal fault—U, upthrown side; D, downthrown side

PATTERNED AREAS
Area in vicinity of Mississippian rocks where older rocks are exposed
Area in vicinity of Mississippian rocks in which the Mississippian, if ever present, has been rocked or destroyed by younger igneous intrusions, by metamorphism, or by complex structural deformation
Area in vicinity of Mississippian rocks in which Mississippian rocks have not been penetrated by drill and may or may not be present
Quachita tectonic belt—Northern edge of shaded band indicates edge of tectonic belt; southern limits undetermined
Area where lithofacies is undetermined
Area where mapped interval contains extrusive rocks
Area where mapped interval contains intrusive rocks
Area where mapped interval contains chert—Minimum: 10 percent where shown overprinted on other lithofacies; 50 percent where shown alone

Line of section through Mississippian rocks—Number corresponds to control point numbers on Plate 1

Chemical components predominant

U	V	W	X
Q	R	S	T
M	N	O	P
I	J	K	L
E	F	G	H
A	B	C	D

Derivational components predominant

a, Anhydrite or gypsum
l, Limestone or dolomite
sh, Sandstone (includes claystone and siltstone)
ss, Sandstone

Lithofacies symbols for sedimentary rocks

NOTE—Sections designated by lower-case letters (a-o) are sections of individual intervals and are shown on plates 9A (interval A), 9B (interval B), 9C (interval C), and 9D (interval D). Sections designated by upper-case letters (A-A') are sections of the entire Mississippian System. Sections A-A' to F-F' are shown on plate 9E, H' to Q-Q' on plate 9F, and sections R-R' to U-U' on plate 9G.

MAP SHOWING LITHOFACIES OF INTERVAL C OF MISSISSIPPIAN SYSTEM

